

Sam Flavin

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Summary

World and wide web explorer and engineer with a proven track record in designing, developing, and deploying scalable applications. Highly self-motivated, detail-oriented, and passionate about creative problem-solving and community-oriented development. Fluent in English, Chinese, and Spanish, with a global perspective on software development.

Technical Skills

Programming Languages: JavaScript (ES6+), TypeScript, C#

Frontend: React, Angular, Next.js, Redux, Material UI, SCSS, Bootstrap, jQuery

Backend: Node.js, Nest.js, .NET Core, Azure, SQL, PostgreSQL, MongoDB, GraphQL

Testing: Cypress, Selenium, Jest

Tools & Platforms: Git, Jira, Postman, Fiddler, Docker

Methodologies: Agile, Test-Driven Development (TDD)

Experience

English Teacher

Geos | *Jan 2024 – Jan 2025*

- Taught English to both kids and adults, tailoring lessons to fit individual learning styles and needs.
- Created customized lesson plans, ensuring engaging and effective learning experiences.
- Provided take-home notes after each class to reinforce learning and track progress.
- Recorded student development and adjusted lesson strategies accordingly.

Frontend Software Developer

Target | *July 2022 – December 2023*

- Engineered a web app that streamlined workflow between internal merchant and marketing teams, improving operational efficiency.
- Enhanced user experience by implementing new features, refactoring legacy code, and maintaining consistent communication with stakeholders.
- Ensured robust test coverage using Jest and Cypress, contributing to reliable deployments.
- Utilized React, Angular, Node.js, HTML, SCSS, and modern testing frameworks.

Full-Stack Software Developer

Patterson Companies Inc. | *January 2020 – January 2022*

- Developed, tested, and maintained critical features for dental practice management software, boosting system reliability.
- Proactively collaborated with cross-functional teams in an Agile environment, conducting QA, code reviews, and deployments.
- Worked extensively with Azure, Angular.js, TypeScript, C#, .NET Core, and SQL.

Full-Stack Software Development Student

Prime Digital Academy | *May 2019 – November 2019*

- **Solo Project:** *MakePlans*
- Designed and built an event-planning app allowing users to create events, invite guests, and communicate through polls and chat.
- Leveraged JavaScript, React-Redux, Material UI, Postgres, SQL, Twilio, and CSS for a polished and functional UI.

Teacher Assistant

Yinghua Academy | *January 2018 – June 2019*

- Supported bilingual education in Chinese and English, assisting students with special needs to achieve academic and social goals.
- Maintained documentation of progress aligned with Individualized Education Programs (IEPs).

Education

Prime Digital Academy | *Minneapolis, MN (2019)*

Full-Stack Software Engineering Certification

師範大學語言中心 (**National Taiwan Normal University**) | *Taipei, Taiwan (2016)*

Certificate in Modern Chinese and Chinese Culture

University of Minnesota | *Duluth, MN (2014)*

Bachelor of Arts in English Literature | Minor: Hispanic Studies

Projects

MakePlans (2019)

- Designed a dynamic event-planning app to streamline coordination and enhance communication.
- Technologies: JavaScript, React-Redux, SQL, Material UI, Twilio, CSS.

Employee Feedback System (Freelance-2025)

- A robust review management system with features like **role-based access control**, **audit logging**, and automated notifications. The backend API was built using **GraphQL** with advanced filtering and batching capabilities. I ensured scalability with optimized database design, and deployed the system using **Docker**.